ABSTRACT

*Nowadays, society wants higher efficiency, not only in work, but also in everyday life. The demand arises because the culture of modern society is instantaneous and upholding time. One of the daily needs of the community is coffee consumption, where consumption of coffee in the domestic market grows about 5% - 6% per year. The Association of Indonesian Coffee Exporters (*AEKI*) noted that Indonesian coffee consumption continues to rise, recorded from 2010 to now has increased by 36% with average audience aged over 25 years. In 2016 the Ministry of Agriculture recorded the Indonesian coffee production of 639,305 tons, the data shows that consuming coffee has become a lifestyle for the people of* Indonesia.

In this research, automatic coffee machine is designed using microcontroller. Microcontroller is expected to produce a good automation system and easy to use, so it can produce a superior product and can meet the needs of the community. Conveyor system will be a storage place in the process of making coffee. Tubes as storage of coffee, milk, and sugar. Sensor information to know the market at the point of sale glass. and on this machine will use state machine until that can be used and also produce a good process.

The results of this study is the user can fill the needs of coffee with ease, comfortable, and as desired.

Keywords: Automatic coffee machine, conveyor, Finite State Machine